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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/534,235	11/28/2005	Masashi Ozawa	200303.00013	2640
21324 7590 02/14/2007 HAHN LOESER & PARKS, LLP One GOJO Plaza Suite 300 AKRON, OH 44311-1076			EXAMINER THOMAS, ERIC W	
			ART UNIT	PAPER NUMBER
			2831	
SHORTENED STATUTORY PERIOD OF RESPONSE		NOTIFICATION DATE	DELIVERY MODE	
2 MONTHS		02/14/2007	ELECTRONIC	

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Notice of this Office communication was sent electronically on the above-indicated "Notification Date" and has a shortened statutory period for reply of 2 MONTHS from 02/14/2007.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patents@hahnlaw.com  
akron-docket@hotmail.com

**Office Action Summary**

Application No.

10/534,235

Applicant(s)

OZAWA ET AL.

Examiner

Eric Thomas

Art Unit

2831

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 15 January 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) 4-6,9 and 10 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☒ Claim(s) 1-3,7,8 and 11-15 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06 May 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
- Paper No(s)/Mail Date 5/05, 8/06.

- 4) ☐ Interview Summary (PTO-413)
- Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_.

## **DETAILED ACTION**

### ***Election/Restrictions***

1. Applicant's election without traverse of Group 1 in the reply filed on 11/27/06 is acknowledged.

### ***Specification***

2. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

Applicant uses "comprised" in the abstract.

3. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

### ***Claim Objections***

4. Claims 1, 7-8, 11-15 are objected to because of the following informalities:  
Claim 1, line 3, insert —an—before "electrolyte".

Claim 1, lines 5-6, replace "characterized in that a electrolyte solution containing aluminum tetrafluoride salt is used as said electrolyte solution" with --wherein the electrolyte solution comprises an aluminum tetrafluoride salt--.

Claim 1, line 6, delete "that".

Claim 7, line 2, insert --an--before "electrolyte".

Claim 7, line 3, replace "wounding" with --winding--.

Claim 7, line 3, replace "a" with --an--.

Claim 7 line 4, insert --an--before "intervening".

Claim 7, line 5, delete the second occurrence of "a".

Claim 7, line 7, replace "characterized in that" with --wherein--.

Claim 8, line 2, insert --an--before "electrolyte"

Claim 8, line 3, replace "wounding" with --winding--.

Claim 8, line 3, replace "a" with --an--.

Claim 8, line 4, insert --an--before "intervening".

Claim 8, line 5, delete the second occurrence of "a".

Claim 8, line 7, replace "characterized in that" with --, wherein--.

Replace claim 11 with:

11. An electrolytic capacitor according to claim 1, wherein at least one of the cathode or anode foils is subjected to a phosphate treatment.

Replace claim 12 with:

12. An electrolytic capacitor according to claim 2, wherein at least one of the cathode or anode foils is subjected to a phosphate treatment.

Replace claim 13 with:

13. An electrolytic capacitor according to claim 3, wherein at least one of the cathode or anode foils is subjected to a phosphate treatment.

Replace claim 14 with:

14. An electrolytic capacitor according to claim 7, wherein at least one of the cathode or anode foils is subjected to a phosphate treatment.

Replace claim 15 with:

15. An electrolytic capacitor according to claim 8, wherein at least one of the cathode or anode foils is subjected to a phosphate treatment.

Appropriate correction is required.

***Allowable Subject Matter***

5. The following is a statement of reasons for the indication of allowable subject matter: The prior art does not teach or suggest (taken in combination with the other claimed features) an electrolytic capacitor wherein the electrolyte solution comprises an aluminum tetrafluoride salt, and a ceramics coating layer is formed at a contact portion with the sealing member and the cathode lead means (claims 1-3, 11-13); an electrolytic capacitor containing an aluminum tetrafluoride salt, wherein a ceramics coating layer is formed at a contact portion of the rivet with the sealing component (claims 7, 14); and an electrolytic capacitor obtained by impregnating a capacitor element with an electrolyte solution containing an aluminum tetrafluoride salt, wherein a ceramics coating layer is formed on said cathode leading terminal (claims 8, 15).

**Conclusion**

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

JP 2-249220 – Electrical double layer capacitor having a ceramic component.

6,219,224 – Solid electrolytic capacitor having electrical leads.

7. This application is in condition for allowance except for the following formal matters:

-Claim/specification objections found on pages 2-4 of the instant action.

-Cancellation of the non-elected claims.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric Thomas whose telephone number is 571-272-1985. The examiner can normally be reached on Monday - Friday 6:30 AM - 3:45 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean Reichard can be reached on 571-272-1984. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2831

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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